Ma 121 Calculus I (Fall 2009)

Time and Place: M,W,F 9:30-10:50, E380

Instructor: Dr. Gabriela Sanchis, 384 G Esbenshade Hall, Office Phone: 361-1339

E-mail: sanchisgr@etown.edu

Office Hours: M, W: 1:30-3:30, T, Th: 9:30-10:30, and by appointment.

Textbook: Calculus (6th Edition) by James Stewart

Prerequisites: Competence in algebra and trigonometry

Course Objectives:

- To understand the basic concepts of the differential and integral calculus. In particular:

    - To become proficient in calculus techniques such as computing limits, derivatives, and simple integrals;
    - To learn how to apply calculus techniques to real-world problems.

- To learn how to use technological tools such as Mathematica as an aid in visualizing and solving calculus problems;

- To gain an appreciation for the significance of calculus in the history of scientific thought.

Attendance: You are expected to attend all classes. Excessive amounts of absenteeism may result in a lower grade. If you do miss a class, it is your responsibility to obtain from a classmate any notes, assignments, handouts, or anything else you may have missed.

Homework: Homwork assignments will be made available through WebAssign. WebAssign is an internet based method for delivering homework problems. It will give you instant feedback on each problem, and if you get a problem wrong you can try again (up to five tries). This will allow you to find out what you did wrong and hopefully to understand the topic of the question better.

The homework questions are modeled after questions in the book, so if you are having trouble with a particular problem, find the question in the book that is similar and ask about it in class. The beginning of each class period will be devoted to discussion of homework questions.

If you have questions on homework that are not addressed during class, the following help options are available:

- Office hours - These are listed at the beginning of the syllabus (my schedule is posted on my home page at http://users.etown.edu/s/sanchisgr/homepage.html).

- Student tutors are available Sunday through Thursday evenings in Esbenshade 368 (times will be posted at the entrance of the room as well as on the web at http://users.etown.edu/d/doytchinovb/labs/)

- Learning Services with a private tutor.

Calculator:	A graphing calculator will be helpful. All class demonstrations will be done with the TI Voyage 200 and/or Mathematica software and/or Geogebra.
Lab Assignments:	There will be three computer assignments that will require the use of Mathematica. You may work in pairs on these assignments (this means no more than two per group). A collaborating pair may submit one completed assignment for the pair. Each assignment must be completed and handed in by 3:00 p.m. on the due date. No late assignments will be accepted.
Exams:	There will be four examinations prior to the final exam. These are scheduled for Wednesdays September 23, October 21, November 11, and December 2. The comprehensive final examination is scheduled for Monday, December 14, 7:30 a.m. to 10:30 a.m. No graphing calculators are allowed on exams.
Make-Up Exams:	Exams may not be made up except for absolutely unavoidable reasons. If you miss an exam for an acceptable unavoidable reason, then a make-up will be given. In order to reschedule you must talk to me about it personally (face-to-face or on the phone) and in advance.
Academic Integrity:	All work must be one's own and must comply with the Standards of Academic Integrity defined in the Elizabethtown College 2009-2010 Catalog, pp. 282–285 . More specifically, computer assignments may be completed collaboratively in pairs as described above. You may work collaboratively with students other than your partner, but the final write-up of the assignment must be your own. Under no circumstances may you copy answers from another student's paper or cut and paste from another student's computer file. Similarly, you may (and are encouraged to) collaborate on homework problems. No collaboration on exams is allowed.

Grading: 94-100 A; 90-93 A-; 87-89 B+; 83-86 B; 80-82 B-; 77-79 C+; 73-76 C; 70-72 C-; 67-69 D+; 63-66 D; 60-62 D-; below 60 F
Course grades will be calculated according to the following weighting:

Homework (Webassign):	15%
Computer Assignments:	12%
In-Class Exams:	48%
Final Exam:	25%

Disability: If you have a documented disability and need reasonable accommodations to fully participate in course activities or to meet course requirements, you must:

1. Contact the Director of Disability Services, Dr. Kristin Sagun, in the Center for Student Success, BSC room 228 by calling 361-1227.

2. Meet with me (the instructor) within two weeks of receiving a copy of the accommodation letter from Disability Services to discuss your accommodation needs and their implementation.

Tentative Schedule for Ma 121 (Fall 2009)

Monday	Tuesday	Wednesday	Thursday	Friday
31-Aug Appendices B&C	01-Sep	02-Sep Appendix D	03-Sep	04-Sep 1.1, 1.2
07-Sep Labor Day - no classes	08-Sep	09-Sep 1.3	10-Sep	11-Sep 2.1
14-Sep 2.2	15-Sep	16-Sep 2.3	17-Sep	18-Sep 2.5
21-Sep Review	22-Sep	23-Sep Exam 1	24-Sep	25-Sep 3.1
28-Sep 3.2	29-Sep	30-Sep 3.3	01-Oct	02-Oct 3.4
05-Oct 3.5	06-Oct	07-Oct 3.6	08-Oct Fall Break	09-Oct
12-Oct 3.7	13-Oct	14-Oct 3.8	15-Oct	16-Oct 4.1
19-Oct Review	20-Oct	21-Oct Exam 2	22-Oct	23-Oct 4.2
26-Oct 4.3	27-Oct	28-Oct 4.4	29-Oct	30-Oct 4.5
02-Nov 4.7	03-Nov	04-Nov 4.8	05-Nov	06-Nov 4.9
09-Nov Review	10-Nov	11-Nov Exam 3	12-Nov	13-Nov Appendix E, 5.1
16-Nov 5.2	17-Nov	18-Nov 5.3	19-Nov	20-Nov 5.4
23-Nov 5.5	24-Nov	25-Nov Friday schedule 6.1	26-Nov Thanksgiving Break	27-Nov
30-Nov Review	01-Dec	02-Dec Exam 4	03-Dec	04-Dec 6.2
07-Dec 6.2, 6.3	08-Dec	09-Dec 6.3	10-Dec	11-Dec Last day of classes
14-Dec Final Exam 7:30 - 10:30	15-Dec	16-Dec	17-Dec	18-Dec